

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1 1. (Currently amended) A method performed by a computer system of
2 committing a transaction to a database, the method comprising:
3 initiating detecting a database transaction between an application and the database
4 at the computer system;
5 intercepting transaction data from the database transaction with the computer
6 system prior to the database transaction being committed to the database based on an event
7 monitored by the computer system that is triggered by the database transaction;
8 to create creating an electronic record at the computer system from the intercepted
9 transaction data prior to committing the associated database transaction to the database;
10 executing a rule associated with the event electronic record at the computer
11 system to determine whether an electronic signature is required to connote review of the
12 electronic record created from the intercepted transaction data in order to commit the database
13 transaction to the database;
14 requesting the electronic signature using the computer system prior to committing
15 the database transaction to the database based on a determination that an electronic signature is
16 required; and
17 committing the database transaction associated with the electronic record to the
18 database using the computer system in response to receiving the electronic signature.

- 1 2. (Original) The method of claim 1 wherein the electronic record comprises
2 data generated from multiple tables of the database.

1 3. (Original) The method of claim 1 wherein the electronic record is stored
2 in a common repository of electronic records that provides an audit trail that cannot be altered or
3 disabled by users of the database.

1 4. (Previously presented) The method of claim 1 wherein the electronic
2 record is stored as data in a character large object (CLOB) format.

1 5. (Previously presented) The method of claim 4 wherein the data comprises
2 a well-formed XML document stored within a column of a database table.

1 6. (Previously presented) The method of claim 5 wherein XML fields of the
2 data are filled with the transaction data based on a predefined mapping of a data type definition
3 to multiple data sources.

1 7. (Previously presented) The method of claim 1 further displaying at least
2 some of the transaction data in the electronic record on a computer display based on the
3 determination that an electronic signature is required.

1 8. (Previously presented) The method of claim 7 wherein the transaction
2 data in the electronic record is displayed according to a predefined layout set forth in an XSL
3 style sheet associated with data comprising a copy of the electronic record as displayed, wherein
4 the data is stored within a column of a database table.

1 9. (Previously presented) The method of claim 1 further comprising
2 obtaining and verifying the electronic signature.

1 10. (Original) The method of claim 1 wherein the rule requires a plurality of
2 different electronic signatures and wherein, if execution of the rule results in a determination that
3 a plurality of electronic signatures are required, requesting the plurality of electronic signatures
4 prior to committing the data to the database.

1 11. (Previously presented) The method of claim 9 wherein, if the electronic
2 signature is rejected or otherwise cannot be obtained, the database transaction is rolled-back and
3 not committed to the database.

1 12. (Currently amended) A computer system that manages electronic records
2 stored in a database, the computer system comprising:

3 a processor;
4 a database; and

5 a computer-readable memory coupled to the processor, the computer-readable
6 memory configured to store a computer program;

7 wherein the processor is operative with the computer program to:

8 (i) detect initiate a database transaction between an application and the database;
9 (ii) intercept transaction data from the database transaction initiated between the
10 application and the database prior to committing the transaction to the database based on an
11 event monitored by the processor that is triggered by the database transaction;

12 to create an electronic record from the intercepted transaction data prior to
13 committing the associated database transaction to the database;

14 (iii) execute a rule associated with the event electronic record to determine
15 whether an electronic signature is required to connote review of the electronic record created
16 from the intercepted transaction data in order to commit the database transaction to the database;
17 and

18 (iv) request the electronic signature prior to committing the database transaction
19 to the database based on a determination that an electronic signature is required; and

20 (v) commit the database transaction ~~associated with the electronic record~~ to the
21 database in response to receiving the electronic signature.

1 13. (Original) The computer system of claim 12 wherein the electronic record
2 comprises data generated from multiple tables of the database.

1 14. (Original) The computer system of claim 12 wherein the electronic record
2 is stored in a common repository of electronic records that provides an audit trail that cannot be
3 altered or disabled by users of the system.

1 15. (Previously presented) The computer system of claim 12 wherein the
2 electronic record comprises data in a character large object (CLOB) format.

1 16. (Previously presented) The computer system of claim 15 wherein the data
2 comprises a well-formed XML document stored within a column of a table stored in the
3 database.

1 17. (Original) The computer system of claim 16 wherein fields of the
2 electronic record are filled with the transaction data based on a predefined mapping of a data
3 type definition to multiple data sources.

1 18. (Previously presented) The computer system of claim 12 wherein the
2 processor is further operative with the computer program to obtain and verify the electronic
3 signature.

1 19. (Currently amended) A ~~computer program product having a computer-~~
2 readable storage medium ~~configured to store computer-executable code storing instructions for a~~
3 ~~computer system having a processor operative with the instructions for managing electronic~~
4 ~~records stored in a database, the computer-readable storage medium program product~~
5 comprising:

6 code for detecting initiating a database transaction between an application and the
7 database;

8 code for monitoring an event that is triggered by the database transaction;

9 code for intercepting transaction data from the database transaction prior to the
10 database transaction being committed to the database based on the event that is triggered by the
11 database transaction;

12 ~~to create code for creating~~ an electronic record ~~from the intercepted transaction~~
13 ~~data~~ prior to committing the ~~associated~~ database transaction to the database;
14 code for executing a rule associated with the ~~event record~~ to determine whether an
15 electronic signature is required to connote review of the electronic record ~~created from the~~
16 ~~intercepted database transaction~~ in order to commit the database transaction to the database; and
17 code for requesting the electronic signature prior to committing the database
18 transaction to the database based on a determination that that an electronic signature is required;
19 and
20 code for committing the database transaction ~~associated with the electronic record~~
21 to the database in response to receiving the electronic signature.

1 20. (Currently amended) The computer-readable storage medium program
2 ~~product~~ of claim 19 wherein the code for creating an electronic record further comprises code for
3 creating electronic records in response to the occurrence of a predefined event.

1 21. (Currently amended) The computer-readable storage medium program
2 ~~product~~ of claim 19 wherein the electronic record is stored in a common repository of electronic
3 records that provides an audit trail that cannot be altered or disabled by users of the system.

1 22. (Currently amended) The computer-readable storage medium program
2 ~~product~~ of claim 21 wherein the electronic record comprises data in a character large object
3 (CLOB) format.

1 23. (Currently amended) The computer-readable storage medium program
2 ~~product~~ of claim 22 wherein the data comprises a well-formed XML document stored within a
3 column of a table stored in the database.

1 24. (Currently amended) The computer-readable storage medium program
2 ~~product~~ of claim 23 wherein fields of the electronic record are filled with the transaction data
3 based on a predefined mapping of a DTD to multiple data sources.

1 25. (Currently amended) The computer-readable storage medium program
2 product of claim 19 further comprising code for obtaining and verifying the electronic signature.

1 26. (Currently amended) A computer-implemented method of committing a
2 transaction to a database, the method comprising:

3 intercepting transaction data at a computer system from a database transaction
4 initiated between an application and the database in response to a user-created event monitored
5 by the computer system that is triggered by the database transaction;

6 to create creating an electronic record with the computer system prior to
7 committing the associated database transaction to the database in response to the occurrence of a
8 predetermined event, wherein the electronic record comprises the intercepted transaction data
9 stored prepared by the computer system using a set of XML mappings assocaited with the user-
10 created-event as a well-formed XML document in a character large-object (CLOB) format of a
11 column of a database table;

12 storing the electronic record in a common repository of electronic records that
13 provides an audit trail that cannot be altered or deleted by users of the system;

14 executing a rule associated with the event electronic record to determine whether
15 an electronic signature is required to connote review of the electronic record in order to commit
16 the database transaction to the database;

17 if execution of the rule results in a determination that an electronic signature is
18 required, (i) displaying the transaction data in the electronic record according to a predefined
19 layout set forth in an XSL style sheet associated with the electronic record and storing a copy of
20 the transaction data as displayed in a character large-object (CLOB) format of a second column
21 of the database table and (ii) requesting, obtaining and verifying the electronic signature prior to
22 committing the transaction into a database; and

23 committing the transaction to the database in response to verifying the electronic
24 signature.